

Rittal – The System.

Faster – better – everywhere.



SE 5850.500

SE 8 free-standing enclosure system

State: 21/06/2026 (Source: rittal.com/uk-en)

ENCLOSURES

POWER DISTRIBUTION

CLIMATE CONTROL

IT INFRASTRUCTURE

SOFTWARE & SERVICES

FRIEDHELM LOH GROUP



SE 5850.500 - SE 8 free-standing enclosure system

Stainless steel

Enclosure widths ranging from 600 to 1200 mm Time-saving assembly work due to the roll-formed side panels



Features

Model No.	SE 5850.500
Product description	The system enclosure is based on the TS 8 platform. System accessories for interior installation in the TS 8 design can be used without restrictions.
Material	Enclosure: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed Door: Stainless steel 1.4301 (AISI 304), 2.0 mm, exterior brushed Rear panel: Stainless steel 1.4301 (AISI 304), 1.5 mm, exterior brushed Gland plates: Stainless steel 1.4301 (AISI 304), 1.5 mm Mounting plate: Sheet steel, 3.0 mm
Surface finish	Enclosure, door and rear panel: Brushed, grain size 400 Gland plates: Uncoated Mounting plate: Zinc-plated

Features

Supply includes	Enclosure, solid top and sides Door(s) R/h door hinge with single-door enclosures, may be swapped to opposite side Rear panel, detachable Mounting plate Gland plates Lock: 3 mm double-bit 2 TS punched rails 18 x 38 mm
Dimensions	Width: 600 mm Height: 1,600 mm Depth: 400 mm
Dimensions mounting plate (W x H)	499 mm x 1,496 mm
Protection category to IEC 60 529	IP 55
Protection category NEMA	NEMA 12 NEMA 3R
IK Code	IK10
Number of doors	1
Note	Due to the hardness of the material, we recommend using metal multi-tooth screws for the interior installation.
Basic material	Stainless steel
Packs of	1 pc(s).
Net weight	87 kg
Gross weight	88.4 kg
Customs tariff number	94032080
ECLASS 8.0	27180101
Product description	SE Free-standing enclosure system, WHD: 600x1600x400 mm, Stainless steel 1.4301, with mounting plate, single door at the front

Approvals

Approvals

UL + C-UL (listed)

Explanations

Declaration of conformity

Declaration of conformity UK

Tender text

Single-door stainless steel system enclosure

Enclosure for stand-alone siting in self-supporting integrated construction, consisting of a basic frame, door, rear panel and base assembly. Basic frame made of one-piece construction including side panels and roof. Enclosure section with system punchings on a 25 mm DIN pitch pattern. Vertical sections as well as front and rear roof frame section with two mounting levels for space-saving system installation.

Screw-fastened rear panel, welded base assembly consisting of base frame and multi-divided, sliding gland plates, r/h door hinge.

Door:

With horizontally double foamed-in seal, with removable rectangular frame with holes on a 25 mm DIN pitch pattern, locking bar with 4-point latching, double-bit insert to DIN 43668, r/h door hinge may be swapped to opposite side, with captive hinge pins, door opening angle 130° to VDI, may be retrofitted to 180°, automatic potential equalisation to the enclosure frame.

Gland plates:

3-part, removable and replaceable, fitted, automatic potential equalisation to the enclosure frame.

Rear panel:

With foamed-in seal, screw-fastened, automatic potential equalisation to the enclosure frame.

Mounting plate:

C-folds at the sides, depth-adjustable on a 25 mm pitch pattern via integrated plastic slide pieces.

Punched rail in the base for easy sliding of mounting plate may be removed after positioning the mounting plate and located on the vertical sections, e.g. for cable routing.

Material: „

Stainless steel 1.4301 (AISI 304) for enclosures, door, rear panel, gland plates, sheet steel for mounting plate

Surface finish: „

Enclosure, rear panel, gland plates and doors:

Brushed, grain 400

Mounting plate: Zinc-plated

Protection category:

IP 55 to EN 60 529, complies with NEMA 12.

Dimensions:

Width x height x depth: 600x1600x400 mm,

mounting plate (width x height): 499x1496 mm

Make/model:

Rittal SE 5850.500 (or equivalent)